DATE: 08/19/1999 TIME: 17:40:33

INPUT SET: S32973.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

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SEQUENCE LISTING
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 2
    (1)
           General Information:
 5
          (i) APPLICANT: Martin Roland Jensen
 6
                         Soren Mouritsen
 7
                         Henrik Elsner
 8
                         Iben Dalum
 9
         (ii) TITLE OF INVENTION: Modified human TNF-alpha molecules, DNA
10
                 encoding them, and vaccines containing said modified
11
12
                 TNF-alpha or DNA
13
14
        (iii) NUMBER OF SEQUENCES: 42
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16
        (iv) CORRESPONDENCE ADDRESS:
               (A) ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
17
               (B) STREET: 400 Seventh St., N.W.
18
19
               (C) CITY: Washington, DC
20
               (E) COUNTRY: USA
21
               (F) ZIP: 20004
22
23
        (V) COMPUTER READABLE FORM:
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               (B) COMPUTER: IBM PC compatible
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               (C) OPERATING SYSTEM: PC-DOS/MS-DOS
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               (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
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28
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        (vi) CURRENT APPLICATION DATA:
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               (A) APPLICATION NUMBER: 09/060,294
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               (B) FILING DATE: 15-APR-1998
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        (vii) PRIOR APPLICATION DATA:
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               (A) APPLICATION NUMBER: 60/044,187
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               (B) FILING DATE: 24-APR-1997
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        (viii) ATTORNEY/AGENT INFORMATION:
               (A) NAME: Price, D. Douglas
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               (B) REGISTRATION NUMBER: 24,514
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40
               (C) REFERENCE/DOCKET NUMBER: P60953US1
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        (ix) TELECOMMUNICATION INFORMATION:
43
               (A) TELEPHONE: (202) 638-6666
44
               (B) TELEFAX: (202) 393-5350
45
    (2) INFORMATION FOR SEQ ID NO: 1:
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DATE: 08/19/1999 TIME: 17:40:33

INPUT SET: S32973.raw

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        (iii) HYPOTHETICAL: NO
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DATE: 08/19/1999 TIME: 17:40:34

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120				_	ENGT																					
121					YPE:																					
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124		/111	MOI	.eciii	ית שני	DE.	nrot	ein																		
	(ii) MOLECULE TYPE: protein																									
		•	•				_					(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:														
125							_		SEO 1	ות או)	•					•									
125 126							_		SEQ I	ED NO): 2:	:					·									
125 126 127	Met	(xi)) SE(QUENC	CE DE	ESCRI	PTIC	on: s	_				Tla	T.ve	Δla	Δen	·									
125 126 127 128		(xi)) SE(QUENC	CE DE Ser	ESCRI	PTIC	on: s	_	Ser			Ile	Lys		Asn	·									
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DATE: 08/19/1999 TIME: 17:40:34

INPUT SET: S32973.raw

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156	145	мта	GIU	per	СТУ	150	Val	ıyı	FILE	GIY	155	116	MIG	nea			
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159	(2)	INF	ORMA'	rion	FOR	SEQ	ID 1	NO:	3:								
160																	•
161		(i	•			HARA											
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163 164			-	•		nuc: DEDNI											
165			•	-		OGY:			DIE								
166			Α,	, .	J. O.												
167		(ii) MOI	LECU	LE T	YPE:	DNA	(ge	nomi	C)							
168		•	•							·							
169	((iii) HYI	HTO	ETIC	AL: 1	00										
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171		(iv) AN'	ri-si	ENSE	: NO											
172		4 4	, on:		. T. G	arina.	٦.										
173 174		(1	•			OURCI ISM:			nion	-							
175			(2	4) O	KGAN.	LOM.	пош	o sa	ртеп	3							
176		(ix) FE	ATURI	Ε:												
177		,				KEY:	CDS										
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179			(1	D) Of		INF				_	star	t= 1					
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183 184					/S	tanda	ara_i	name	=[.]	NEZ	3 ··						
185		(xi) SEC	OUENC	E DE	ESCR	гртт	ON:	SEO :	ID NO	o: 3	:					
186		,	,									•					
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189	160					165					170					175	
190					~~=	<i>~</i>		a.a		~.~	ama	a.a	maa	ama		999	0.0
191						CAA Gln											96
192 193	vaı	vат	АТА	ASII	180	GIII	Ата	GIU	сту	185	rea	GIII	пр	ьeu	190	Arg	
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199						GAG											192
200	Leu	vai		Pro	ser	Glu	GTÀ		чyr	Leu	тте	тyr		GIN	val	ьeu	
201 202			210					215					220				
202	ጥጥሮ	CAG	ТΑС	дπд	AAG	GCC	AAC	TCC	AAG	ተጥተ	ATC	GGC	АТС	ACC	GAG	СТС	240
203						Ala											
205		225	1 =		4		230		4			235					

RAW SEQUENCE LISTING PATENT APPLICATION US/09/060,294A

DATE: 08/19/1999 TIME: 17:40:34

206 207 ATC AGC CGC ATC GGC GTC TCC TAC CAG ACC AAG GTC AAC CTC CTC TCT 208 Ile Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser 209 240 245 250 250 250 260 270 260 260 260 260 260 260 260 270 260 260 260 260 260 260 260 260 260 260 260 260 260 260 260 270 260 260 260 260 260 260 260 270 260 260 260 260 260 260 260 270 26															IN	<i>PUT</i>	SET: S	532973.ra	W
Tile Ser Arg Tile Ala Val Ser Tyr Gin Thr Lys Val Asn Leu Leu Ser 209 240 245 255 255 255 260 260 245 250 255 255 250 250 255 250											•								
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213																		33	0
214		АТА	116	гуъ	Ser		cys	GTII	AIG	GIU		PIU	GIU	GLY	мта		мта		
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217																		30	•
218 219 AAG GGT GAC CGA CTC AGC GCT GAG ATC AAT CGG CCC GAC TAT CTC GAC 220 Lys Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp 221 290 295 300 222 TTT GCC GAG TCT GGG CAG GTC TAC TTT GGG ATC ATT GCC CTC 224 Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu 225 305 310 315 (2) INFORMATION FOR SEQ ID NO: 4: 229 (i) SEQUENCE CHARACTERISTICS:		2,5		**P	_	<u></u>			- 7 -		1	7							
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Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu																			
Phe Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu	223	TTT	GCC	GAG	TCT	GGG	CAG	GTC	TAC	TTT	GGG	ATC	ATT	GCC	CTC			47	4
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229 230	227																		
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254 Ile Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser		Ile	Ser	Arg	Ile	Ala	Val	Ser	Tyr	Gln	Thr	Lys	Val	Asn	Leu	Leu	Ser		

Ala Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala

DATE: 08/19/1999 TIME: 17:40:35

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232	(B) TYPE: amino acid															
233	(D) TOPOLOGY: linear															
234	(2) 10102001. 1111002															
235	(ii) MOLECULE TYPE: protein															
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237																
238		et Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His														
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250		30										•				
251	Phe	Gln	Tvr	Ile	Lvs	Ala	Asn	Ser	Lvs	Phe	Ile	Gly	Ile	Thr	Glu	Leu
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266	Phe	Ala	Glu	Ser	Glv	Glr	Val	Tvr	Phe	Gl v	Tle	Tle	Ala	Leu		
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SEQUENCE VERIFICATION REPORT PATENT APPLICATION *US/09/060,294A*

DATE: 08/19/1999 TIME: 17:40:35

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Original Text

RAW SEQUENCE LISTING PATENT APPLICATION US/09/060,294A

DATE: 08/18/1999 TIME: 10:30:40

INPUT SET: S32973.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

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            (1)
        5
                 (i) APPLICANT: Martin Roland Jensen
                                 Soren Mouritsen
        6
                                 Henrik Elsner
        7
        8
                                 Iben Dalum
        9
                (ii) TITLE OF INVENTION: Modified human TNF-alpha molecules, DNA
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                        encoding them, and vaccines containing said modified
       11
       12
                        TNF-alpha or DNA
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               (iii) NUMBER OF SEQUENCES: 42
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                (iv) CORRESPONDENCE ADDRESS:
       17
                       (A) ADDRESSEE: JACOBSON, PRICE, HOLMAN & STERN
       18
                       (B) STREET: 400 Seventh St., N.W.
       19
                       (C) CITY: Washington, DC
       20
                       (E) COUNTRY: USA
       21
                       (F) POSTAL CODE (ZIP): 20004
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                       (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
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                       (A) APPLICATION NUMBER: 09/060,294
       31
                       (B) FILING DATE: 15-APR-1998
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                (vii) PRIOR APPLICATION DATA:
       34
                       (A) APPLICATION NUMBER: 60/044,187
       35
                       (B) FILING DATE: 24-APR-1997
       36
       37
                (viii) ATTORNEY/AGENT INFORMATION:
       38
                       (A) NAME: Price, D. Douglas
       39
                       (B) REGISTRATION NUMBER: 24,514
       40
                       (C) REFERENCE/DOCKET NUMBER: P60953US1
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                (ix) TELECOMMUNICATION INFORMATION:
       42
       43
                       (A) TELEPHONE: (202) 638-6666
       44
                       (B) TELEFAX: (202) 393-5350
       45
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DATE: 08/18/1999 TIME: 10:30:40

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ERRORED SEQUENCES FOLLOW:

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                (A) LENGTH: 158 amino acids
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                (B) TYPE: amino acid
233(D)TOPOLOGY: linear
234
         (ii) MOLECULE TYPE: protein
235
236
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238
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SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/09/060,294A

DATE: 08/18/1999 TIME: 10:30:41

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